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“Innovative Strategies and
Technologies for Advancing EE/RE”



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System Benefits Charge Program & Demand Management Initiatives

- Energy Efficiency/Load Management/
Clean Distributed Generation
- “To meet 535 Mw of peak load
growth....by 2008” in NYC



Dispatchable Emergency Generator Initiatives

- Energy & environmental controls & enhancements to improve operations and reliability
- Supports NYISO EDRP & SCR, or TO DRP
- Eligibility limited to facilities in Con-Edison service territory and machines with NOx emissions less than 26.6 lbs/MWh (18 lbs/MWh for new installations)
- Common measures include switchgear, controls, test & tunes, dual fuel conversions, etc

Load Curtailment/Shifting

- Direct Load Control – Load centrally controlled via cellular communication to each stores' EMS, which activated pre-programmed curtailment settings
 - 21 BJ's Wholesale Club locations (1 MW)
 - 16 Stop & Shop Supermarkets (0.8 MW)
 - 36 Home Depot locations (4.4 MW)
- Remote control of over 17,000 residential/small commercial central AC systems



New York's Clean DG Program Goals

- Develop & Demonstrate Innovative DG Technologies & CHP Applications
- Support site-specific and sector wide feasibility studies and replication
- Monitor Performance and Reduce Hurdles through Shared Knowledge
- Install Megawatts of Generation Capacity



New York's Clean DG Program Summary

- Supporting 86 demo projects, 50+ feasibility/Tech Trans. studies
 - NYSERDA funding of \$40 million (in ~\$200 M total) in Demo projects
 - 34 Projects with a total installed capacity of 13.5 MW in operation
 - Expect to reach 40 MW of capacity the end of 2005 (peak demand reduction of 40 MW)
 - Additional capacity of 40 MW in '06.
- DG/CHP applications in industrial, agricultural, municipal, institutional, commercial, and residential sectors
- Field-Performance: Monitoring and Data Collection is Underway

Questions

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